

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application:

1. (Currently amended): A self-adhesive or thermally bondable security document (V) ~~that can be affixed to an article (P), characterized in that it comprises~~ comprising:
_____ at least one medium having a front side capable of receiving print ~~on the front side~~, said ~~medium having, on its reverse side,~~
_____ at least one self-adhesive or thermally adhesive layer disposed on a reverse side of said medium, said adhesive layer having a front surface and an adhesive back surface such that said medium is capable of being affixed to an article (P),
_____ and at least one marker that emits a signal which is characteristic per se, said marker being contained in a layer selected from the group consisting of (i) the adhesive layer and (ii) another layer intermediate between the adhesive layer and the front side of the medium,
_____ wherein said marker is chosen from particles that can be detected by magnetic resonance, magnetic particles that can be detected by a magnetoresistive head, particles that can be excited at given wavelengths to emit fluorescence, UV-detectable particles, IR-detectable particles, particles that can be detected by biotechnological method, and mixtures thereof,
_____ such that, after the document (V) has been bonded by means of said ~~layer of adhesive~~ adhesive layer to the article (P), in the event of disbondment of the document (V), at least a portion of the adhesive layer and at least part of said marker detaches from the medium.

2. (Currently amended): The document as claimed in claim 1, wherein it is such that, after bonding the document (V), in the event of disbondment of the document (V), said at least part of said marker remains attached to said article (P).

3. (Currently amended): The document as claimed in claim 1, wherein ~~at least part of said marker is contained in a layer, this said layer being~~ said layer containing said marker is such that, after the document (V) has been bonded to the article (P), in the event of disbondment of the document (V) at least part of said layer with said at least part of said marker remains attached to said article (P).

4. (Currently amended): The document (V) as claimed in claim 2 ~~3~~, wherein said layer ~~containing this part of the marker~~ is the adhesive layer.

5. (Currently amended): The document as claimed in claim 3, wherein said layer ~~including at least part of said marker~~ is a monolayer having, in the same plane, several bands of different adhesivities and in that at least one of said bands includes at least one part of said marker such that, after the document (V) has been bonded to the article (P), in the event of disbondment of the document (V) at least part of the band including said marker remains attached to said article (P).

6. (Previously presented): The document (V) as claimed in claim 3, wherein said medium comprises, on its reverse side, several layers deposited on top of one another and having

different adhesivity properties, one of the layers including at least part of said marker, such that, after the document (V) has been bonded to the article (P), in the event of disbondment of the document (V) at least part of the layer including said marker remains attached to said article (P).

7. (Previously presented): The document as claimed in claim 6, wherein said layers include one or more types of adhesive.

8. (Currently amended): The document as claimed in ~~one~~ claim 3, wherein ~~said medium has, on its reverse side, at least one layer having~~ said layer has reduced adhesivity properties allowing disbondment of the layer with the marker, such that in the event of disbondment of the document (V) at least part of said layer with said at least part of said marker remains attached to said article (P).

9. (Currently amended): The document (V) as claimed in claim 1, ~~characterized in that~~ wherein said layer containing the marker includes one or more ~~layers~~ regions (2a, 2b) having particular adhesion properties.

10. (Currently amended): The document (V) as claimed in claim 9, wherein said regions ~~may take the form of separate features, especially points, lines, bands or alphanumeric characters,~~ or the form of a uniform layer entirely covering the adhesive layer(s).

11. (Currently amended): The document (V) as claimed in claim ~~6~~ 3, wherein ~~the layer containing at least part of the marker~~ said layer includes a single type of adhesive within which the marker is distributed, in different concentrations in defined patterns, ~~especially in the form of adjacent bands~~, and in that it has regions having particular adhesion properties, ~~possibly coinciding with the features of a given concentration~~, in such a way that, in the event of disbondment of the document (V), one region remains bonded almost entirely to the medium of said document (V) whereas another region remains bonded almost entirely to the article (P).

12. (Previously presented): The document (V) as claimed in claim 9, wherein said regions have properties that reduce the adhesion between the adhesive and either the document (V) or the article (P) to which the document (V) is affixed.

13. (Previously presented): The document (V) as claimed in claim 9, wherein said regions have properties that increase the adhesion between the adhesive and either the document (V) or the article (P) to which the document (V) is affixed.

14. (Previously presented): The document (V) as claimed in claim 9, wherein said regions are a combination of regions having properties that decrease the adhesion and properties that increase the adhesion, respectively.

15. (Currently amended): The document (V) as claimed in claim 1 ~~3~~, wherein at least part of the marker lies within a layer having a controlled melting point, ~~especially above 50°C~~,

~~preferably equal to about 60—65°C, and such that, should there be an attempt at thermal disbondment, said layer results in the creep of at least part of said marker toward the layer(s) that will remain at least partly attached to the article (P), in particular the layer of adhesive.~~

16. (Currently amended): The document (V) as claimed in claim 1, wherein the medium ~~(1)~~ is a substrate having weakened regions, ~~especially from the fact that there is internal cohesion reduced by scoring at mid-body, by watermarking and/or by the introduction of components that reduce its cohesion and/or especially from the fact that its edges have been weakened by cutting them into lacing, sawteeth or a comb, and/or by microperforations.~~

17. (Currently amended): The document (V) as claimed in claim 1, wherein the medium is a multi-ply, ~~especially two-ply~~, paper having an adhesion-reducing composition between at least two of these plies.

18. (Currently amended): The document (V) as claimed in claim 17, wherein said composition is based on a compound chosen from polyurethanes used in the form of an aqueous dispersion and styrene-butadiene copolymers, ~~especially those that have been carboxylated~~, used in aqueous dispersion form.

19. (Previously presented): The document (V) as claimed in claim 1, wherein the medium includes components that react with apolar solvents.

20. (Previously presented): The document (V) as claimed in claim 19, wherein it includes a layer acting as barrier to the apolar solvents.

21. (Previously presented): The document (V) as claimed in claim 20, wherein said barrier layer has reduced adhesivity properties allowing detachment of the marker with the medium in the event of disbondment of the document (V).

22. (Currently amended): The document (V) as claimed in claim 20, wherein said barrier layer has a controlled melting point, ~~in particular above 50°C, and preferably equal to about 60–65°C,~~ and such that, in the event of an attempt at thermal disbondment, said layer results in the creep of the marker toward the layer(s) which will remain at least partly attached to the article (P), in particular the layer of adhesive.

23. (Currently amended): ~~The~~ An article (P) to which the document (V) as claimed in claim 1 ~~, wherein at least part of the article (P), to which the document (V) will be~~ is affixed, ~~wherein the article (P) also contains at least one marker that emits a signal which is combined with the signal from the marker of said document (V).~~

24. (Currently amended): The document (V) as claimed in claim 1, wherein said marker; ~~and where appropriate the marker of the article (P),~~ is chosen from particles that can be detected by magnetic resonance, magnetic particles that can be detected by a magnetoresistive head;

~~especially from particles of magnetic materials having a medium to high coercitivity~~, particles that can be excited at given wavelengths, and mixtures thereof.

25. (Currently amended): The ~~document (V)~~ article (P) as claimed in claim 23, wherein said marker of said document (V) comprises fluorescent particles that emit fluorescence at one wavelength which combines with that emitted by fluorescent particles contained in the article (P) to which said document (V) will be affixed.

26. (Currently amended): The ~~document (V)~~ article (P) as claimed in claim ~~13~~ 23, wherein the document (V) includes, as marker, one or more types of fluorescent particles ~~that possibly emit at different wavelengths~~ and combine to emit light at a given wavelength and in that, moreover, the article (P) also includes one or more types of fluorescent particles that possibly emit at different wavelengths and combine to emit light at a given wavelength, the resultant of all these emissions giving white light.

27. (Previously presented): The document (V) as claimed in claim 1, wherein the medium is a paper having at least one region of reduced opacity, or even a transparent region, allowing the signal from said marker to be detected, especially by visual observation.

28. (Previously presented): The document (V) as claimed in claim 1, wherein the medium is a paper having at least one region of reduced thickness, ~~or even zero thickness~~.

29. (Previously presented): A visa obtained from a self-adhesive or thermally bondable document (V) as claimed in claim 1.

30. (Previously presented): A passport (P) having a page covered with a bonded visa as claimed in claim 29.

31. (Currently amended): A method of authenticating a security article, having a page that includes a marker and is covered by the bonding of a self-adhesive or thermally bondable document (V) as claimed in claim 1, ~~wherein~~ comprising:

detecting the signal emitted by the page/document combination, and ~~is detected and in~~
~~that~~

comparing the signal ~~is compared~~, visually or by means of suitable algorithms, with that prerecorded and emitted by an authentic page/document combination.

32. (Previously presented): The method as claimed in claim 31, wherein the bondable document (V) is a visa.

33. (Previously presented): The method as claimed in claim 32, wherein the security article is a passport.

34. (New): The document (V) as claimed in claim 10, wherein the separate features include features selected from the group consisting of points, lines, bands, and alphanumeric characters.

35. (New): The document (V) as claimed in claim 11, wherein the patterns include adjacent bands.

36. (New): The document (V) as claimed in claim 15, wherein the controlled melting point is above 50°C.

37. (New): The document (V) as claimed in claim 36, wherein the controlled melting point is in the range of about 60 - 65°C.

38. (New): The document (V) as claimed in claim 15, wherein said at least part of said marker migrates toward the part of the adhesive layer that will remain at least partly attached to the article (P).

39. (New): The document (V) as claimed in claim 16, wherein the weakened regions result from the fact that there is internal cohesion reduced by scoring at mid-body, by watermarking and/or by the introduction of components that reduce its cohesion and/or especially from the fact that its edges have been weakened by cutting them into lacing, sawteeth or a comb, and/or by microperforations.

40. (New): The document (V) as claimed in claim 22, wherein the controlled melting point is above 50°C.

41. (New): The document (V) as claimed in claim 40, wherein the controlled melting point is in the range of about 60 - 65°C.

42. (New): The document (V) as claimed in claim 24, wherein said marker is chosen from particles of magnetic materials having a medium to high coercitivity.

43. (New): The document (V) as claimed in claim 28, wherein the medium is a paper having at least one region of zero thickness.

44. (New): The document (V) as claimed in claim 1, wherein the particles are magnetic particles.

45. (New): The document (V) as claimed in claim 1, wherein the particles emit fluorescence.